

What is claimed is:

1. A stage apparatus provided with a holder having a substrate holding surface which holds a substrate, and a stage which supports and moves the holder, comprising:
a recovery device, which is disposed in the vicinity of the holder, that has a
5 lyophilic portion, of which at least a part is lyophilic, and that recovers a liquid using the lyophilic portion.
2. A stage apparatus according to Claim 1, wherein
said recovery device has a suction device that suctions the liquid guided to said lyophilic
10 portion.
3. A stage apparatus according to Claim 2, wherein
said substrate is suctioned to said holder, and suction force of said suction device is
greater than suction force that suctions said substrate.
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4. A stage apparatus according to Claim 2 or Claim 3, wherein
said suction device is disposed below said lyophilic portion, and said lyophilic portion
has an inclined portion, which is inclined toward said suction device.
- 20 5. A stage apparatus according to any one of Claim 1 through Claim 4, wherein
said recovery device has a first portion that is higher than said substrate holding surface.
6. A stage apparatus according to any one of Claim 1 through Claim 5, wherein
said recovery device has a recessed portion that suctions the liquid by the capillary
25 phenomenon.

7. A stage apparatus according to Claim 6, wherein
at least a part of said recessed portion is lyophilic.
- 5 8. A stage apparatus according to any one of Claim 1 through Claim 7, wherein
said recovery device has a surface that is substantially parallel to said substrate holding
surface, and a liquid repellent portion of which at least a part is liquid repellent.
9. A stage apparatus according to any one of Claim 1 through Claim 8, wherein
10 at least a part of said holder is liquid repellent.
10. A stage apparatus according to any one of Claim 1 through Claim 9, wherein
said substrate holding surface is liquid repellent.
- 15 11. A stage apparatus according to any one of Claim 1 through Claim 10, wherein
said lyophilic portion is disposed so that a space is formed between an outer
circumferential part of said substrate and said lyophilic portion.
12. A stage apparatus according to any one of Claim 1 through Claim 11, wherein
20 a portion of said holder that opposes said lyophilic portion is liquid repellent.
13. An exposure apparatus, comprising:
a stage apparatus according to any one of Claim 1 through Claim 12.
- 25 14. An exposure method that exposes a pattern onto a substrate held by a holder,

comprising the steps of:

disposing a lyophilic portion, at least a part of which is lyophilic, in the vicinity
of the holder;

supplying liquid to the substrate; and

5 exposing the pattern.

15. An exposure method according to Claim 14, further comprising the step of:
recovering part of the liquid using said lyophilic portion.

10 16. An exposure method according to Claim 14, wherein
a part of said holder is liquid repellent.

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